TABLE 26

**Federal funding for R&D plus capital R&D, by GBARD socioeconomic objectives: FYs 2000–24**

(Millions of dollars)

| Fiscal year | Note: R&D funds | Note: Capital R&D funds | Total for all socioeconomic categories | 1. Exploration and exploitation of the Earth | 2. Environment | 3. Exploration and exploitation of space | 4. Transport, telecommunication, and other infrastructures | 5. Energy | 6. Industrial production and technology | 7. Health | 8. Agriculture | 9. Education | 10. Culture, recreation, religion, and mass media | 11. Political and social systems, structures, and processes | 12. General advancement of knowledge: R&D financed from GUF[a] | 13. General advancement of knowledge: R&D financed from sources other than GUF | 14. Defense |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000 | 67,764 | 4,917 | 72,681 | 868 | 537 | 8,437 | 1,710 | 1,031 | 530 | 18,766 | 2,155 | NA | NA | NA | 0 | 5,593 | 32,261 |
| 2001 | 73,789 | 4,749 | 78,538 | 896 | 574 | 8,951 | 1,708 | 1,320 | 468 | 21,741 | 2,452 | NA | NA | NA | 0 | 6,353 | 33,235 |
| 2002 | 83,232 | 5,433 | 88,665 | 997 | 592 | 9,227 | 1,939 | 1,332 | 549 | 24,754 | 2,494 | NA | NA | NA | 0 | 6,605 | 39,339 |
| 2003 | 93,246 | 5,521 | 98,767 | 989 | 567 | 9,677 | 1,917 | 1,403 | 463 | 27,335 | 2,303 | NA | NA | NA | 0 | 6,129 | 46,949 |
| 2004 | 101,843 | 4,403 | 106,246 | 1,027 | 662 | 9,746 | 1,948 | 1,370 | 479 | 29,346 | 2,466 | NA | NA | NA | 0 | 7,352 | 50,320 |
| 2005 | 106,674 | 4,658 | 111,332 | 1,053 | 641 | 9,656 | 1,918 | 1,324 | 468 | 29,871 | 2,646 | NA | NA | NA | 0 | 7,477 | 54,714 |
| 2006 | 110,047 | 4,395 | 114,442 | 1,045 | 622 | 10,401 | 1,787 | 1,244 | 459 | 29,702 | 2,670 | NA | NA | NA | 0 | 7,539 | 57,160 |
| 2007 | 113,888 | 3,803 | 117,691 | 965 | 738 | 10,988 | 1,436 | 1,922 | 487 | 31,080 | 2,325 | 449 | 19 | 769 | 0 | 8,712 | 57,802 |
| 2008 | 112,432 | 4,278 | 116,710 | 1,300 | 548 | 10,672 | 1,475 | 2,076 | 518 | 31,054 | 2,332 | 428 | 19 | 756 | 0 | 9,007 | 56,493 |
| 2009 | 128,316 | 8,283 | 136,599 | 1,677 | 565 | 9,060 | 1,536 | 3,794 | 963 | 43,926 | 2,629 | 464 | 25 | 754 | 0 | 14,128 | 57,046 |
| 2010 | 117,016 | 2,366 | 119,382 | 867 | 599 | 8,232 | 1,640 | 2,570 | 1,105 | 34,206 | 2,628 | 491 | 34 | 468 | 0 | 10,776 | 55,765 |
| 2011 | 111,464 | 1,922 | 113,386 | 1,315 | 584 | 8,658 | 1,518 | 2,265 | 532 | 33,536 | 2,211 | 546 | 27 | 585 | 0 | 10,581 | 51,027 |
| 2012 | 114,509 | 2,287 | 116,796 | 1,325 | 569 | 10,801 | 1,591 | 2,231 | 557 | 33,924 | 2,386 | 565 | 26 | 562 | 0 | 10,536 | 51,662 |
| 2013 | 107,992 | 1,616 | 109,608 | 1,282 | 540 | 10,476 | 1,439 | 2,289 | 596 | 32,454 | 2,160 | 486 | 25 | 1,283 | 0 | 9,620 | 46,894 |
| 2014 | 109,890 | 2,612 | 112,502 | 1,403 | 545 | 11,228 | 1,364 | 2,407 | 655 | 33,451 | 2,442 | 469 | 27 | 1,867 | 0 | 10,524 | 46,109 |
| 2015 | 112,766 | 2,454 | 115,220 | 1,444 | 528 | 10,928 | 1,479 | 3,173 | 669 | 33,443 | 2,540 | 525 | 27 | 1,436 | 0 | 11,088 | 47,927 |
| 2016 | 123,514 | 2,579 | 126,093 | 1,565 | 520 | 12,811 | 1,451 | 3,492 | 762 | 35,891 | 2,738 | 505 | 27 | 1,219 | 0 | 11,328 | 53,782 |
| 2017 | 124,709 | 2,597 | 127,306 | 1,653 | 505 | 10,187 | 1,586 | 3,544 | 750 | 37,862 | 2,668 | 505 | 27 | 1,289 | 0 | 11,289 | 55,441 |
| 2018 | 140,700 | 3,759 | 144,459 | 1,688 | 537 | 10,552 | 1,861 | 4,233 | 973 | 40,660 | 2,698 | 614 | 26 | 564 | 0 | 12,559 | 67,494 |
| 2019 | 145,615 | 4,356 | 149,971 | 1,799 | 521 | 10,133 | 1,895 | 4,473 | 763 | 42,568 | 3,086 | 587 | 27 | 593 | 0 | 13,165 | 70,361 |
| 2020 | 163,875 | 6,026 | 169,901 | 1,778 | 556 | 14,206 | 1,926 | 4,539 | 821 | 48,055 | 3,061 | 581 | 28 | 596 | 0 | 13,659 | 80,095 |
| 2021 | 157,611 | 4,274 | 161,885 | 2,519 | 574 | 11,566 | 1,911 | 4,529 | 952 | 44,941 | 3,222 | 588 | 28 | 521 | 0 | 14,150 | 76,384 |
| 2022 | 180,196 | 6,570 | 186,765 | 2,482 | 581 | 14,553 | 2,496 | 7,114 | 5,761 | 49,486 | 3,905 | 719 | 28 | 484 | 0 | 16,390 | 83,342 |
| 2023 preliminary | 195,135 | 6,908 | 202,043 | 2,609 | 632 | 15,240 | 2,239 | 8,443 | 2,997 | 50,285 | 3,758 | 687 | 29 | 583 | 0 | 15,880 | 99,223 |
| 2024 proposed | 203,180 | 6,674 | 209,854 | 2,879 | 668 | 16,314 | 2,387 | 8,764 | 2,554 | 51,664 | 3,816 | 719 | 32 | 730 | 0 | 17,710 | 102,255 |

NA = not available.

GBARD = government budget allocations for R&D; GUF = general university funds.

[a] Unlike many other countries, the United States does not support R&D by higher education institutions through large block grants to cover administrative, teaching, and research costs. Accordingly, the data entries for the United States in this column are always zero.

**Note(s):**
Detail may not add to total because of rounding. The data in this table reflect an estimated adjustment to the previously published 2000–16 time series totals (in table 23 through table 25) applying the narrowed definition of *development* described by the Office of Management and Budget in its Circular A-11 of July 2016. The 14 socioeconomic objectives categories listed are those identified by the European Union in the 2007 edition of its *Nomenclature for the Analysis and Comparison of Scientific Programmes and Budgets* (NABS). The NABS categories are the basis of the GBARD indicators that the Organisation for Economic Co-operation and Development reports for member countries and selected others in its twice-yearly *Main Science and Technology Indicators* reports. U.S. data for objectives 9, 10, and 11 are not reported for 2000–06 because the NABS category revisions of 2007 and equivalent data for these earlier years were not available. The lack of availability of details for these objectives is the main reason that the sum of the reported details for 2000–06 do not add to the "R&D plus capital R&D" totals.

**Source(s):**
National Center for Science and Engineering Statistics, reclassification (2023) according to NABS category definitions of R&D funding from agencies' submissions to OMB per MAX Schedule C, agencies' budget justification documents, supplemental data obtained from agencies' budget offices, and Executive Office of the President, OMB, *Budget of the United States Government, Fiscal Year 2024.*